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CYP1A1 wt Allele

National Cancer Institute

Source

National Cancer Institute. *CYP1A1 wt Allele*. NCI Thesaurus. Code C52323.

Human CYP1A1 wild-type allele is located within 15q22-q24 and is approximately 6 kb in length. This allele, which encodes cytochrome P450 1A1 protein, plays a role in the metabolism of polycyclic aromatic hydrocarbons (PAHs). Individuals with a high inducibility phenotype, who exhibit elevated CYP1A1 gene expression in response to PAHs, may be at greater risk for cigarette smoke-induced bronchogenic carcinoma.